

MAY

at the

CALIFORNIA ACADEMY OF SCIENCES

MAY MEETING

DATE: Wednesday evening, May 15
TIME: 8:00 p.m. (One screening only)
PLACE: May Treat Morrison Auditorium
SUBJECT: "THE RESTLESS SEA"

This stunning film in color is a wide ranging report on that vast and mysterious "inner space" that covers nearly three-quarters of the earth's surface — the sea. It illustrates the fascinating work of the oceanographers in searching out the complex and interwoven relationships of nature in the sea, exploring the marine applications of many sciences including physics, meteorology, geology, chemistry and engineering.

Filmed action from above and below the surface of the sea show hurricanes and mountainous waves, marine life from the microscopic plankton to the largest mammals, modern instruments that enable scientists to plunge through layers of sediment on the ocean bottom and obtain a record of earth through geologic ages, and the latest oceanographic equipment from underwater television cameras to the FLIP (a vessel that literally flips on end to record underwater sounds).

Animation and diagrams illustrate the movements of tides and currents, the composition of sea water, the topography of the ocean floor, and many other aspects of the far reaching science of oceanography.

This film was produced by Walt Disney Productions for the Bell System which has been kind enough to permit our screening this fine motion picture for the membership.

As is the current practice, there will be one showing only at 8:00 p.m. Your 1968 membership card is your admission to Morrison Auditorium. If the latter is filled, late-comers will be invited to enjoy the current sky show in Morrison Planetarium at no charge.

MORRISON PLANETARIUM

Beginning May 2: "ICARUS". As topical as today's headlines, this singular sky show is all about the giant asteroid which, on June 15 of this year,

will pass within four million miles of Mother Earth.

Performances daily at 2:00 p.m. with evening shows, Wednesday through Sunday at 8:30. Extra matinees, Saturdays, Sundays and holidays, at 3:30. The Planetarium is closed Monday and Tuesday nights. Admission: Adults, \$1.00. Children, service personnel and students, 50c.

MORRISON AUDITORIUM

"THE SEA OF CORTEZ", an hour-long documentary film in color, photographed in and around the Gulf of California by Academy scientists, is shown exclusively on Saturdays and Sundays at 12:45, 2:15 and 3:45 p.m. Admission is the same as that for Morrison Planetarium (see above).

SPECIAL EXHIBITS

From the Academy Collections: "GLASS SPONGES" from the Department of Invertebrate Zoology. Skeletal remains of *Hexactinellida* on view in the Main Foyer, Science Museum. Continues through June.

"A WALK THROUGH THE REDWOODS", a series of some 75 color photographs taken by Mr. Howard King. These glistening pictures were made in the major redwood parks which the Save-The-Redwoods League helped to establish and they tell a poetically beautiful story. Continues in Lovell White Hall of Man and Nature through the month of September.

RECENT SCIENTIFIC PUBLICATIONS OF THE CALIFORNIA ACADEMY OF SCIENCES

"Shallow Water Foraminifera from Cape San Lucas, Lower California". Clifford C. Church. Vol. XXX, No. 17, February 23, 1968.50c

"Lower Cretaceous Foraminifera of the Orchard Peak-Devils Den Area, California". Clifford C. Church. Vol. XXXII, No. 18, February 23, 1968.\$1.50

"Some Diplocentrid Scorpions from Baja California del Sur, Mexico". Herbert L. Stahnke. Vol. XXXV, No. 14, February 21, 1968.\$1.00

"African Paussid Beetles in the Collection of the California Academy of Sciences (Coleoptera: Carabidae, Paussinae)". Vol. XXXV, No. 15, February 21, 1968. 35c

"The Larval Development of *Blepharipoda occidentalis* Randall and *B. spinimana* (Philippi), (Decapoda, Albu-neidae)". Vol. XXXV, No. 16, February 21, 1968.75c

"Revision of *Stenopogon* Loew (= *Scieropogon* Loew) as Represented in Mexico (Diptera: Asilidae)". Charles H. Martin. Vol. XXXV, No. 17, February 21, 1968.50c

"A Revision of *Ospricerus* (Diptera: Asilidae)". Charles H. Martin. Vol. XXXV, No. 18, February 23, 1968. 50c

NEWS and NOTES

THE JUNIOR ACADEMY announces its schedule of classes for the summer for those youngsters who would like to spend some holiday time in the enjoyment of things scientific:

JUNIOR SECTION: Ages 10-14. Registration June 19 through June 21. Students interested in attending must register during this period and may sign up for either of two sections, Mondays and Wednesdays or Tuesdays and Thursdays. Both sections meet between 10:30 a.m. and 12:00 noon. The classes will be limited to 70 students and will meet from June 24 through August 6. The course being offered is titled "Elementary Invertebrate Zoology" and is geared to the junior level. This is a general informational course including classroom, laboratory and field work within this general area. An inclusive examination of invertebrates from Protozoa through Echinoderms. Registration fee: \$1.00 (with the exception of those students who have already paid dues for 1968).

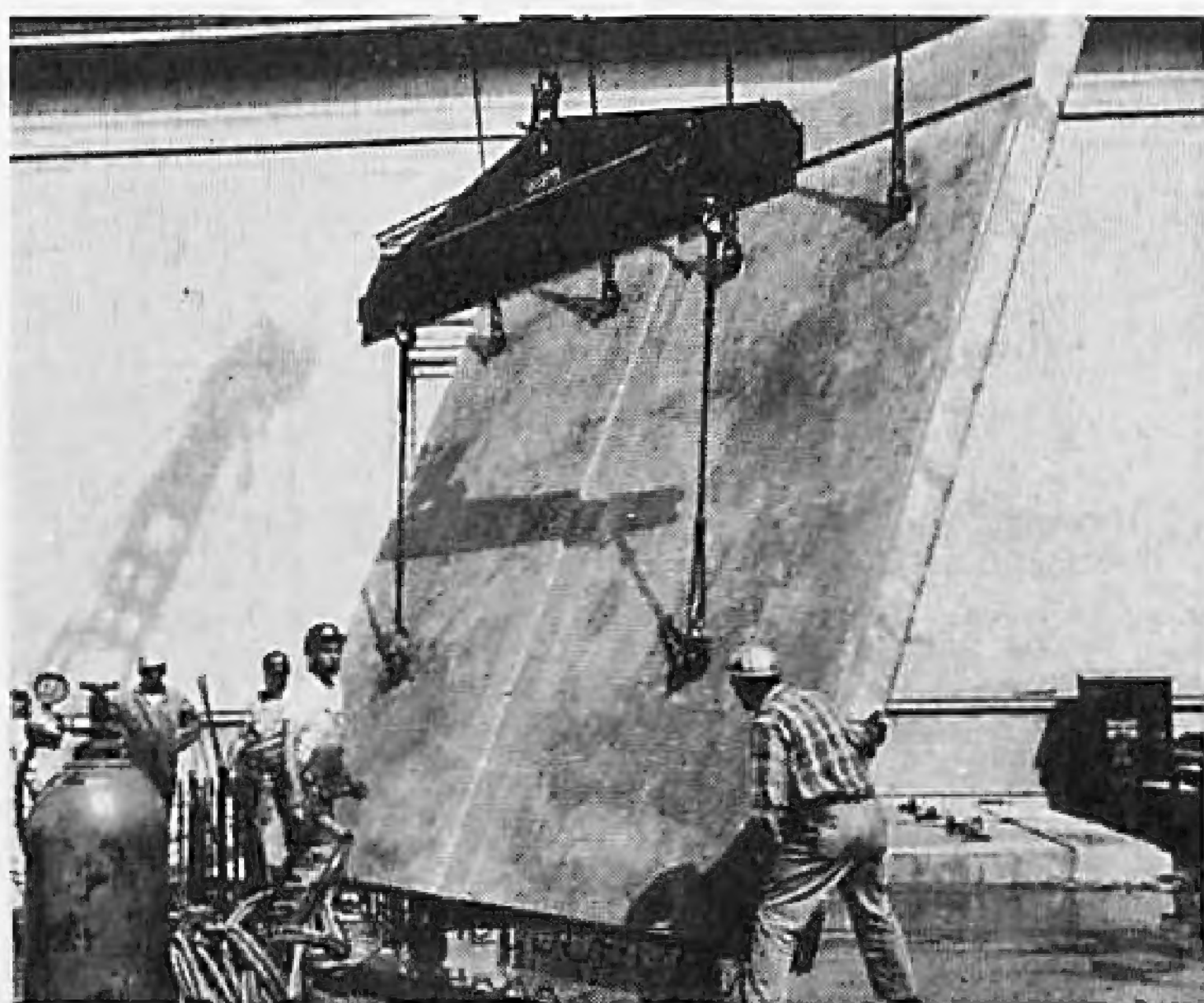
SENIOR SECTION: Ages 15-21. Registration not required for students already active in their chosen field of interest in the Junior Academy and who plan to pursue their research during the summer. Organized classes are not anticipated unless sufficient requests deem them necessary. Seniors meet between 1:00 and 5:00 p.m.

For further information, interested young people should telephone Ken Lucas, Supervisor, or Darrel McKenzie, Instructor, at 221-5100, Extension 21.

TOSHIO ASAEDA 1894 - 1968

An artistic genius whose craft and talent is evidenced throughout the entire Academy. Artist, photographer, sculptor, taxidermist — Toshio went about his quiet and gentle way for many years, creating a legacy that will bring joy and enlightenment to our visitors for generations to come. All who knew and worked with him are richer for the experience. Farewell, dear friend!

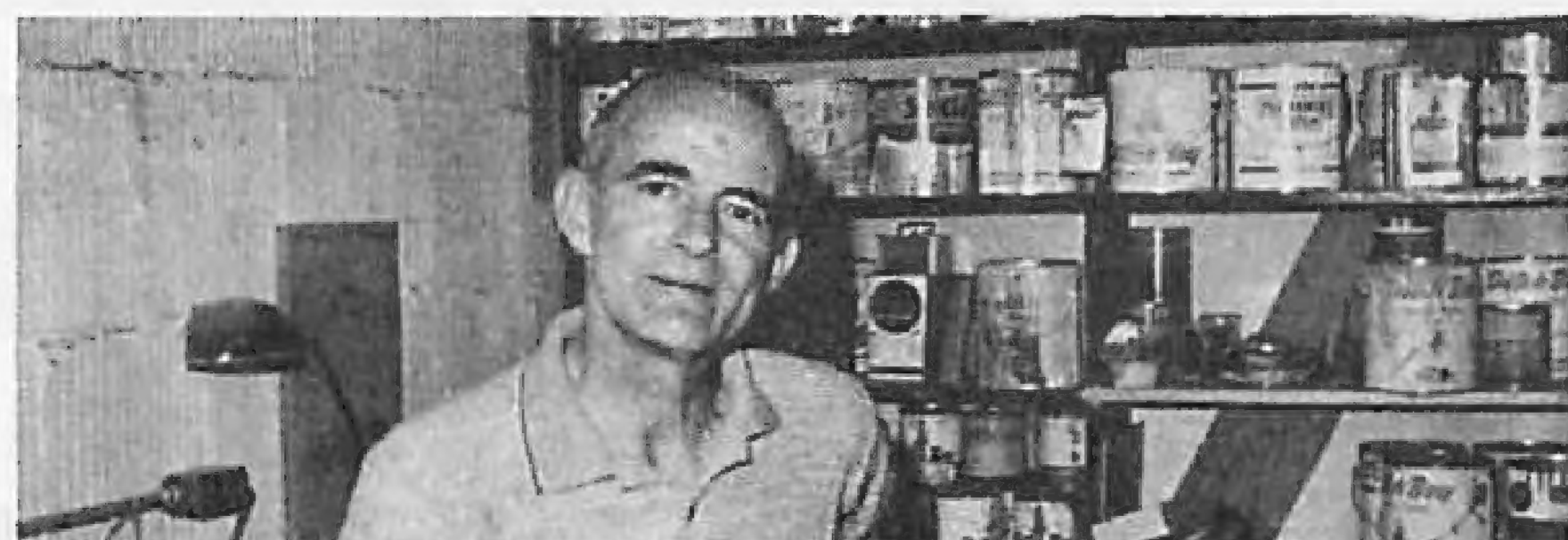
AND THE WALLS go a-tumbling up! Cowell Hall is no longer a hole in the ground. As of this writing, the basement is there, there's a recognizable first floor and the suggestion of a second, and it's all very exciting to behold!



In the photograph above, workmen (with the powerful assistance of a 60-ton crane) are placing the front, outer walls in their position facing the Music Concourse. These sections, of poured concrete, weigh some 20 tons each. Eventually, they will be sandblasted to be in accord with the color and texture of the rest of the Academy.

Columns for the first floor have been poured and are ready to receive the pre-cast joists that span the entire new addition, forming the floor of the second story. There are 20 such beams, each 8'6" by 70'. We close with a gratifying note: Construction is on schedule!

MEET THE STAFF



WILLETT J. BROWN, Aquarium Exhibit Preparator, describes his job with Steinhart Aquarium as "doing pretty much anything that needs doing — a sort of jack-of-all-trades". More specifically, "Brownie" as everyone calls him, is responsible for a host of things — the painting necessary, the carpentry needed, the electrical work installed, special plumbing prescribed for the hundreds of varied tanks which display the thousands of animals in Steinhart Aquarium. The highly effective simulated rocks at the back of the turtle tank and the "behind the scenes" dump bucket that creates all that ruckus in the "wave action" tank are but two individual examples of his highly diverse handiwork.

"Brownie" was born in Fresno and attended Fresno High School. In 1938, he moved to San Francisco and forthwith became employed by the Sante Fe Railway where he remained for three years. Then, as happened to so many, the draft of 1941 came along and he found himself in the U.S. Army and was at the Presidio of San Francisco on that fateful Pearl Harbor Day. After being stationed at many spots in the United States, he became part of Simpson's 9th Army which was removed to Europe in the latter years of World War II. He was under fire during the "Battle of the Bulge" and saw service in England, France, Belgium, Holland and Germany. With cessation of hostilities, he was discharged as Master Sergeant in 1945 and returned to the Bay Area.

The subsequent years found him active in the building trades and then, through a civil service appointment, he assumed his present job as Aquarium Exhibit Preparator in September 1964 and has been busy there ever since.

His favorite "off duty" occupation: rock-hounding and general lapidary pursuits.

NEW MEMBERS OF THE ACADEMY

Regular Membership

Mr. A. Adem	Mr. & Mrs. John W. Hilton
Mr. Roy N. Anaclerio, Jr.	Mr. Burton S. Kennedy
Mr. John H. Austin	Mr. Harry A. Knight
Mr. Robert A. Booth	Dr. Arthur M. Kodama
Miss Camille Buschman	Mr. Gunther Kunkel
Miss Mildred L. Coulter	Mrs. William T. Lewis
Mr. Ronald W. Cuddy	Mr. James P. Mackey
Miss Anne Dixon	Miss Marguerite Martin
Professor Alain L. Fymat	Mr. David C. Miller
Miss Bernice T. Glenn	Mr. Robert T. J. Muller
Miss K. Shirley Gullixson	Mr. Robert L. Ullrich
	Mr. Lawrence Wood

Family Membership

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Mr. & Mrs. Robert E. Becker	Dr. Donald F. Rahlmann
Major Stephen K. Chipman	Mr. Thomas E. Riley
Mr. & Mrs. John Philip Coghlan	Messrs. Leonard & Paul Rosen
Mr. & Mrs. Peter A. Dahl	Mr. Albert H. Schaaf
Mr. Joseph J. Franaszek	Dr. & Mrs. Leib Schapiro
Mr. & Mrs. Gilbert F. Gates	Mr. & Mrs. Ronald A. Stevenson
Mr. Joseph C. Henry	Mr. & Mrs. Erwin J. Strohmaier
Mrs. Marie R. Johnson	Mr. Harry E. Thompson

Contributing Membership

Mrs. John A. Hooper

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Student Membership

Hollis Chin



THE CALIFORNIA ACADEMY OF SCIENCES
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